

Amendments to the Specification:

Please replace the paragraph [0###] with the following amended paragraph(s):

[0005] A number of proposals and techniques exist for performing various types of “power management” in computer systems, such as various APX (Automated Power Exchange) power management schemes. These techniques are generally characterized by fixed operating modes, such as suspend, sleep, hibernate, etc. and either no communication or limited communication with other power management components. Furthermore, computer equipment generally includes one or more “power management” schemes, but these also are of limited functionality.

[0025] According to specific embodiments of the invention, various reset connections (e.g., a Mother Board’s reset connection) within the appliance can be connected to the card. This provides a solution to the problem of a remote server locking up and the user is not able to communicate to it, for example a problem commonly found with KVM (Keyboard, Video, Mouse) over IP solutions.

[0032] According to specific embodiments of the present invention, an Ethernet port can be utilized either through a text based Telnet session or through an HTTP web interface. The telnet session is similar to the serial interface in that its text based and the menus can generally be very similar or identical. A web interface according to specific embodiments of the invention can, for example, ~~utilizes~~ utilize a web browser and the Hypertext Transfer Protocol (HTTP). According to specific embodiments of the present invention, this interface looks and feels different from the others because it is a GUI (graphical user interface). An SNMP (Simple Network Management Protocol) interface can be used to control various settings and retrieve various information from an SPM using a standard network management protocol, such as SNMP.

[0035] According to specific embodiments of the present invention, a telephone interface can use a standard analog phone line. This interface is unique in that it uses a few inexpensive parts (such as, for example, a Clare™ CPC5620A as the data access arrangement and a

Sunplus™ SPC122a as the voice processor) along with a few other parts. An SPMM according to specific embodiments of the present invention has DTMF (Dual-tone multi-frequency) decoding, caller id, and voice feedback. Once enabled and attached to a phone line, the unit is now ready to receive and process calls. An SPMM can be set to accept all calls, block calls without caller ID enabled, or not accept any incoming calls. An SPMM is designed so that if a user uses the phone interface he or she is greeted with a voice prompted menu. The unit will ask for a numeric pass code and then prompt the user for the next command. In specific embodiments, though an SPMM has a voice prompted menu, it will only respond to (DTMF) telephone tones as commands and not to speech. In further embodiments, speech recognition can be included in a device according to the invention. This interface may optionally not be provided particularly in on-board implementations where it is desirable to reduce the total amount of logic circuitry of an implementation.

[0046] FIG. 8 provides an example network settings menu according to specific embodiments of the invention. This interface can be used by, for example, scrolling to the proper heading and pressing enter to change a value and once the values have been changed press enter to finalize. This procedure may be repeated for all network settings. Network settings can include such things as values for IP addressing, host and/or domain names, enablement of DHCP (Dynamic Host Configuration Protocol), SNMP, or other functions, etc. In various embodiments, an SPMM according to specific embodiments of the invention may have a separate IP or other network address from the information appliance to which it is connected. In other embodiments, an SPMM may have a separate port ID assignment or other assignment and otherwise use the network address from its connected information appliance.

[0065] FIG. 23 is a block diagram illustrating an example date/time setup interface and method according to specific embodiments of the present invention. To configure the NTP (Network Time Protocol) settings with an NTP Server addressing delete the default settings and ensure that there is a check in the " Enable NTP" checkbox. Once settings are entered a user can indicate "Save" and the page will refresh with the new time/date that an SPMM

received from the local NTP servers. To manually set "Time/Date" uncheck the "Enable NTP" check box, though it is highly recommend use an NTP server.

[0066] FIG. 24 is a block diagram illustrating an example SNMP(Simple Network Management Protocol) setup interface and method according to specific embodiments of the present invention. SNMP is by default set to enabled which may cause a security risk. It is therefore suggested to set this to disabled if not used. The MIB (management information base) listing below provides additional information about a specific example SNMP interface according to specific embodiments of the present invention.

[0068] Thus, in further embodiments, the present invention may be understood in the context of providing power management over a communication media. An important application for the present invention, and an independent embodiment, is in the field of providing power cycling and monitoring over the Internet, optionally using Internet media protocols and formats, such as HTTP, RTTP (Real-Time Transport Protocol), XML (eXtensible Markup Language), HTML, dHTML (Dynamic Hyper Text Markup Language), VRML (Virtual Reality Markup Language), as well as image, audio, or video formats etc. However, using the teachings provided herein, it will be understood by those of skill in the art that the methods and apparatus of the present invention could be advantageously used in other related situations where users access content over a communication channel, such as modem access systems, institution network systems, wireless systems, etc.

[0072] In this example embodiment, various functions as described above are provided by a microprocessor executing a stored-program, such as, for example, a Rabbit2000 Microcontroller and Memory. According to specific embodiments of the invention, the microcontroller provides the logical execution ability to both control one or more outputs using relays and also to provide communications ability through one or more interfaces, such as an Ethernet interface comprising an Ethernet connector (jack) and driver, a phone interface comprising a phone connector (jack) and phone DAA (Data Access Arrangement) & DTMF along with an audio processor for generating audio status indications and/or for

recognizing speech commands, a serial interface comprising a serial connector (e.g., a RJ45 serial jack and/or a USB connection) and appropriate drivers.